Claims:

1. A production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone characterized by subjecting 4,4'-diallyloxydiphenyl sulfone to a rearrangement reaction under microwave irradiation.

2. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 1, characterized in that the rearrangement reaction is carried out in molten state.

3. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 2, characterized in that the rearrangement reaction is carried out at 230 to 300ºC.

4. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 1 or claim 2, characterized in that the rearrangement reaction is carried out in substantially oxygen-free atmosphere.

5. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 1, characterized in that the rearrangement reaction is carried out in the presence of a basic substance.

6. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 1, characterized in that the rearrangement reaction is carried out in the presence of an antioxidant.

7. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 6, characterized in that the rearrangement reaction is carried out in the presence of ascorbic acid as an

antioxidant.

8. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 1, characterized in that the rearrangement reaction is carried out in the presence of a chelate agent.

9. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 8, characterized in that said chelate agent is ethylenediamine tetraacetic acid or a chelate agent comprising a fused ring containing a nitrogen-containing aromatic ring.

10. The production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone according to claim 9, characterized in that the chelate agent containing a fused ring is phenanthroline.

11. A production method for 3,3'-diallyl-4,4'-dihydroxydiphenyl sulfone characterized by subjecting 4,4'-diallyloxydiphenyl sulfone to a rearrangement reaction under microwave irradiation at 230 to 300ºC in the presence of a basic substance or a chelate agent.